	Application No.	Applicant(s)	
Notice of Allowability	10/733,666	NAFTALI, AMIR	
	Examiner	**Art Unit**	
	OSCAR A. LOUIE	2436	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to _03/09/2010_.

2. ☒ The allowed claim(s) is/are _1,4-8,12 and 20-29 (herein renumbered as Claims 1-17)_.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

         1. ☐ Certified copies of the priority documents have been received.

         2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

         3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

     (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

         1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

     (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
         Paper No./Mail Date _____ .

     Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08),
     Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
     Paper No./Mail Date _04/23/2010_ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

/Oscar A. Louie/
Examiner, Art Unit 2436

DETAILED ACTION

This Examiner's Amendment and Examiner's Reasons for Allowance action is in response to the filing of 03/09/2010.

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joe Acayan on 04/23/2010.

- The application has been amended as follows:

Claim 1 (Currently Amended) A method performed by a server processor executing computer executable instructions stored in a computer readable memory device, the method comprising:

receiving, at [[a]] the server processor, a request from a client processor to establish a transmission control protocol (TCP) connection, wherein the TCP includes a link establishment phase and an authentication phase, wherein initiation of the link establishment phase occurs apart from the authentication phase, and wherein the receiving step and following steps occur during the link establishment phase;

creating an extensible authentication protocol (EAP) session request to the [[first]] client

processor while still in the link establishment phase, wherein the [[first]] client processor enters

an authentication session with the server processor as a result of receiving the EAP session

request;

receiving a response from the [[first]] client processor in response to sending the standard

response;

determining whether the response from the [[first]] client processor indicates that the

[[first]] client processor will comply with the authentication session; and

if the [[first]] client processor will not comply with the authentication session then

performing a substep of restricting access of the [[first]] client processor.

Claim 6 (Currently Amended) The method of claim 5, wherein a first value is set for data

from the [[second]] server processor to the [[first]] client processor, and where a second value is

set for data from the [[first]] client processor to the [[second]] server processor.

Claims 9-11 (Canceled).

Claim 12 (Currently Amended) The method of claim 1, wherein the [[second]] server

processor intercepts a transmission from the [[first]] client processor.

Claim 20 (Currently Amended) An apparatus comprising:

one or more processors;

at least one server processor;

at least one client processor;

a network interface;

a computer-readable storage [[medium]] <u>memory device</u> on which is stored instructions

configured to cause the [[one or more]] <u>at least one server</u> processor to perform a method, the

method comprising:

receiving, at [[a]] <u>the at least one</u> server processor, a request from [[a]] <u>the at least one</u>

client processor to establish a transmission control protocol (TCP) connection, wherein the TCP

includes a link establishment phase and an authentication phase, wherein initiation of the link

establishment phase occurs apart from the authentication phase, and wherein the receiving step

and following steps occur during the link establishment phase;

creating an extensible authentication protocol (EAP) session request;

encapsulating the EAP session request in a standard response to the request to establish

the TCP connection; and

sending the standard response containing the EAP session request to the [[first]] <u>at least</u>

<u>one client</u> processor while still in the link establishment phase, wherein the <u>at least one</u> client

processor enters an authentication session with the <u>at least one</u> server processor as a result of

receiving the EAP session request<u>;</u>

<u>receiving a response from the</u> [[first]] <u>at least one client processor in response to sending</u>

<u>the standard response;</u>

<u>determining whether the response from the</u> [[first]] <u>at least one client processor indicates</u>

<u>that the</u> [[first]] <u>at least one client processor will comply with the authentication session; and</u>

<u>if the</u> [[first]] <u>at least one client processor will not comply with the authentication session</u>

<u>then performing a substep of restricting access of the</u> [[first]] <u>at least one client processor.</u>

Claim 25 (Currently Amended) The apparatus of claim 24, wherein a first value is set for data from the [[second]] <u>server</u> processor to the [[first]] <u>client</u> processor, and where a second value is set for data from the [[first]] <u>client</u> processor to the [[second]] <u>server</u> processor.

Claim 29 (Currently Amended) A computer-readable storage [[medium]] <u>memory device</u> [[including]] <u>storing</u> instructions executed on a <u>server</u> processor, the <u>server processor executing</u> <u>said instructions</u> <s>computer-readable storage medium</s> <u>to perform a method</u> comprising:

<s>one or more instructions configured to receive</s> <u>receiving</u>, at [[a]] <u>the</u> server processor, a request from a client processor to establish a transmission control protocol (TCP) connection, wherein the TCP includes a link establishment phase and an authentication phase, wherein initiation of the link establishment phase occurs apart from the authentication phase, and wherein the receiving step and following steps occur during the link establishment phase;

<s>one or more instructions configured to create</s> <u>creating</u> and extensible authentication protocol (EAP) session request;

<s>one or more instructions configured to encapsulate</s> <u>encapsulating</u> the EAP session request in a standard response to the request to establish the TCP connection; and

<s>one or more instructions configured to send</s> <u>sending</u> the standard response containing the EAP session request to the [[first]] <u>client</u> processor while still in the link establishment phase, wherein the client processor enters an authentication session with the server processor as a result of receiving the EAP session request<u>;</u>

<u>receiving a response from the</u> [[first]] <u>client processor in response to sending the standard response;</u>

determining whether the response from the [[first]] <u>client processor indicates that the</u>

[[first]] <u>client processor will comply with the authentication session; and</u>

if the [[first]] <u>client processor will not comply with the authentication session then</u>

<u>performing a substep of restricting access of the</u> [[first]] <u>client processor.</u>

Allowance

2.   Claims 2, 3, 9-11, 13-19 & 30-57 have been cancelled.

3.   Claims 1, 4-8, 12, & 20-29 have been amended with written arguments which overcome

the examiner's prior rejections and objections, see paper of 03/09/2010. Examiner withdraws all

outstanding rejections and objections to Claims 1, 4-8, 12, & 20-29.

4.   Claims 1, 4-8, 12, & 20-29 are allowed.

Examiner's Statement of Reasons for Allowance

5.   Prior art was found which disclosed method of establishing access from a terminal to a

server [e.g. <u>Strom</u> (US-20020042820-A1)] and [e.g. <u>Parhami</u> ("Introduction to Parallel

Processing - Algorithms and Architectures")] and [e.g. <u>Mullen et al.</u> (US-20020147909-A1)] and

[e.g. <u>L. Blunk & J. Vollbrecht</u> ("RFC 2284")] and [e.g. <u>W. Simpson</u> ("RFC 1994")] and [e.g.

<u>Forsberg</u> (US 20040148504 A1)].

6.   The following is an examiner's statement of reasons for allowance:

-       The prior art of record does not teach or render obvious the limitations as recited in

    independent Claims 1, 20, & 29, specific to "initiation of the link establishment phase

    occurs apart from the authentication phase" and "sending the standard response

containing the EAP session request to the first processor while still in the link

establishment phase" and "receiving a response from the first processor in response to

sending the standard response" and "determining whether the response from the first

processor indicates that the first processor will comply with the authentication session"

and "if the first processor will not comply with the authentication session then

performing a substep of restricting access of the first processor".

- Dependent claims are allowed as they depend from an allowable independent claim.

- Therefore, the Examiner considers both the above limitation in combination with the

    remaining limitations of each independent claim as applied to authentication for the

    transmission control protocol as the non-obvious novelties of the invention.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Examiner Oscar Louie whose telephone number is 571-270-1684.

The examiner can normally be reached Monday through Friday from 8:30 AM to 5:00 PM. The

examiner can also be contacted via E-mail to schedule a telephone discussion at

OSCAR.LOUIE@USPTO.GOV.

If attempts to reach the examiner by telephone or E-mail are unsuccessful, the examiner's

supervisor, Nasser Moazzami, can be reached at 571-272-4195. The fax phone number for

Formal or Official faxes to Technology Center 2400 is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is only available through Private PAIR. If you have questions on access to the

Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

or 571-272-4100 (local). For more information on the PAIR system or the EBC please visit

http://www.uspto.gov/patents/ebc/index.jsp. If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000 (local).

/OSCAR A LOUIE/
04/23/2010

/Nasser Moazzami/
Supervisory Patent Examiner, Art Unit 2436